

How to Read Your Water Meter

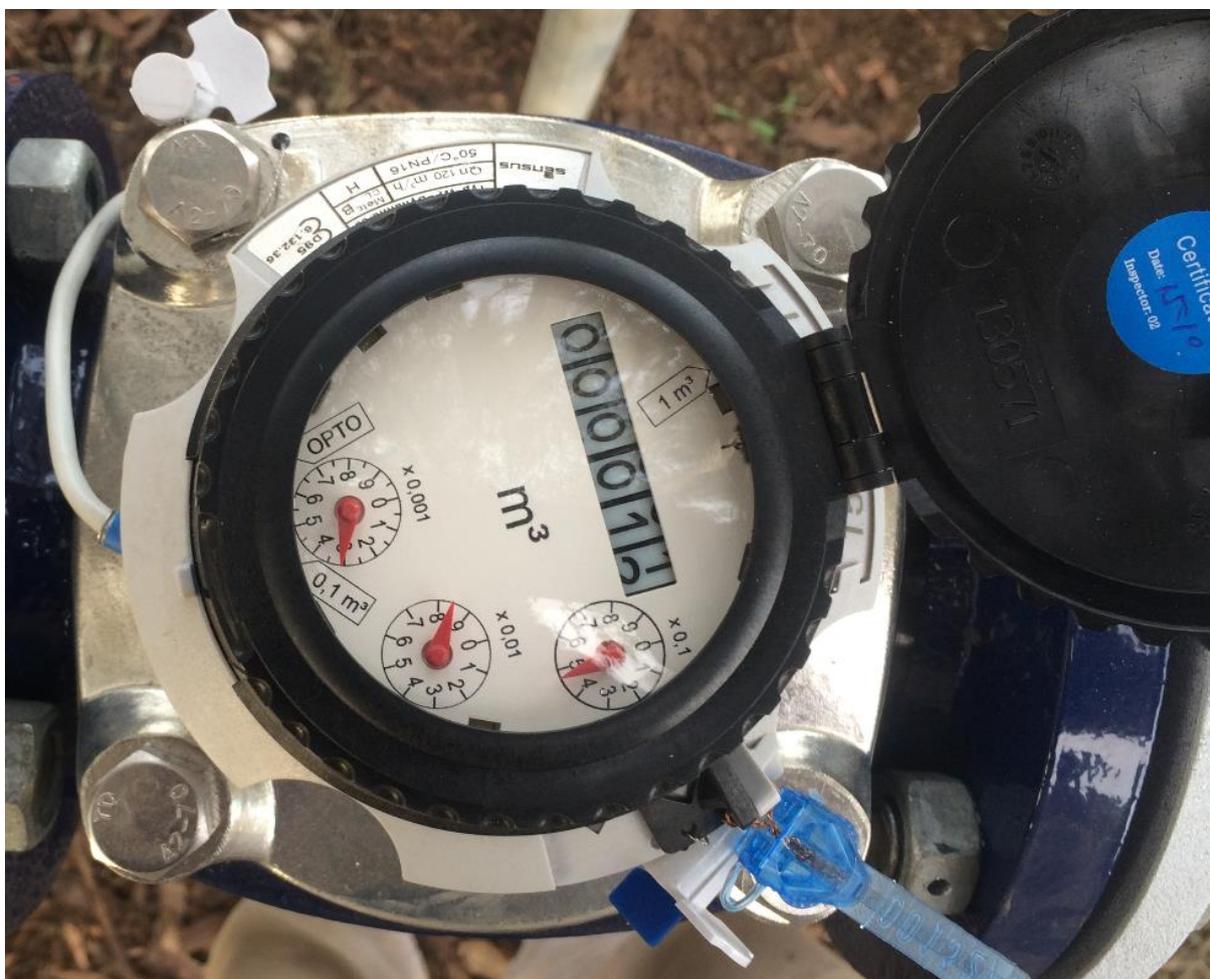
The Hawkes Bay region now has over 1800 water meters installed. There are a large variety of meter types and displays. This document has been written to offer guidance to people on how to read their meters so that they can be sure they are reporting their usage to Council correctly. If you are still unsure after reading this document you can contact the Water Information Services team for additional help.

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Mechanical Meters

Typical meter display in whole cubic meters



The numbers in Black are whole numbers of Cubic Meters (m^3). The red arrowed dials are the decimal points i.e. Litre's. This meter reads $11.483m^3$ which is equivalent to 11483 litres.

For the purposes of online data submission you can either report it as $11m^3$ $11.4m^3$

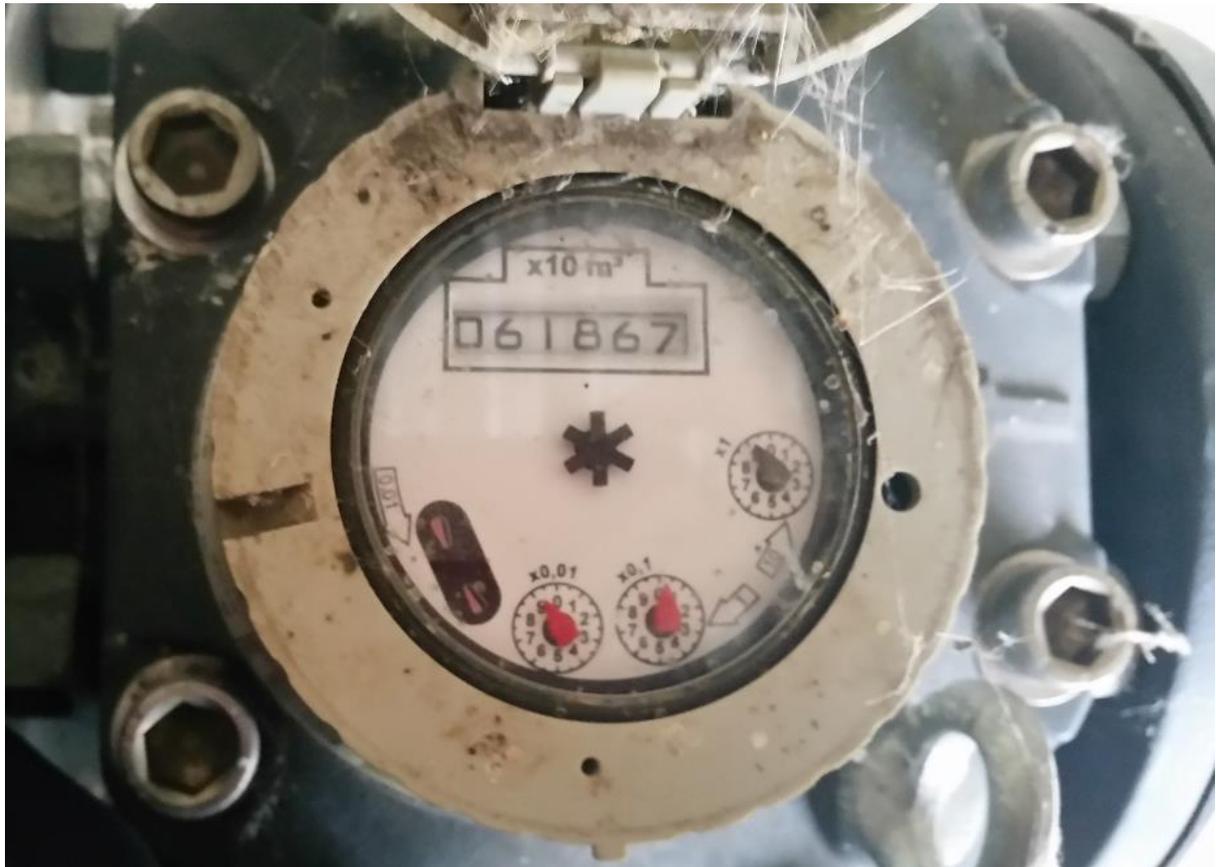
Typical meter display in whole cubic meters (not to be confused with a $\times 10\text{m}^3$)



Like the first meter the top dial in black is displaying whole cubes and the red arrowed dials are the decimals. This meter could be confused with a meter where the top dial is reporting in 10's of cubic meters due to the Q3 $10\text{m}^3/\text{hr}$ which is on the left hand side. This actually is saying the maximum quantity the meter can record and report accurately is $10\text{m}^3/\text{hr}$ or a maximum flow rate of 2.77litres/second.

This is a brand new meter so very little water has passed through it. The meter reads 0.490m^3 or 490L. this can either be reported as 0m^3 or 0.4m^3 when completing returns to Council.

Meter display in 10's of cubic meters ($\times 10\text{m}^3$)



The top dial in black is displaying in 10's of cubes (the $\times 10\text{m}^3$ is written above the dials). The second black dial says $\times 1$ and is single cubes.

The red arrowed dials are the decimals.

You need to read and report all the black numbers to Council. This meter reads 618679.090m^3 or 618679090litres.

This meter would be reported as 618679.0m^3 to Council.

Meter display in 10's of cubic meters (x10m³)



The top dial in black is displaying in 10's of cubes (the x10 is written below the dials). The second black dial on the right is single cubes.

The red arrowed dials are the decimals.

Again, you need to read and report all the black numbers to Council. This meter reads 60.130m³ or 60130litres.

This meter would be reported as 60.1m³ to Council.

Meter display in 10's of cubic meters (x10m³)



Slightly busier meter face but again a x10 meter (m³ x10 written above the main dial). The second black dial on the right is single cubes.

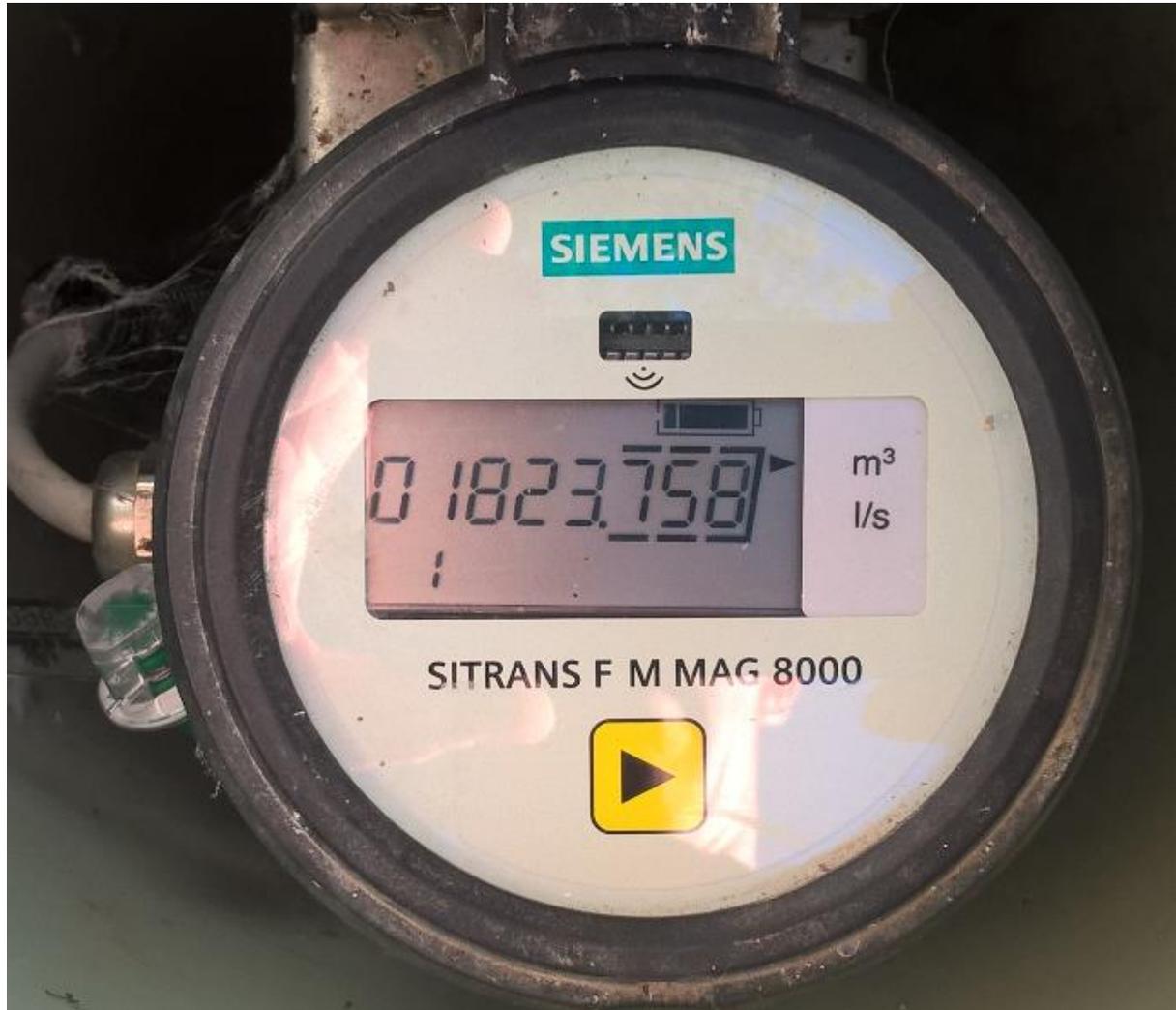
The red arrowed dials are the decimals.

Again, you need to read and report all the black numbers to Council. This meter reads 60.05m³ or 60050litres.

This meter would be reported as 60.05m³ to Council.

Digital Displays (Ultrasonic and Mag Flow)

Siemens Mag Flow

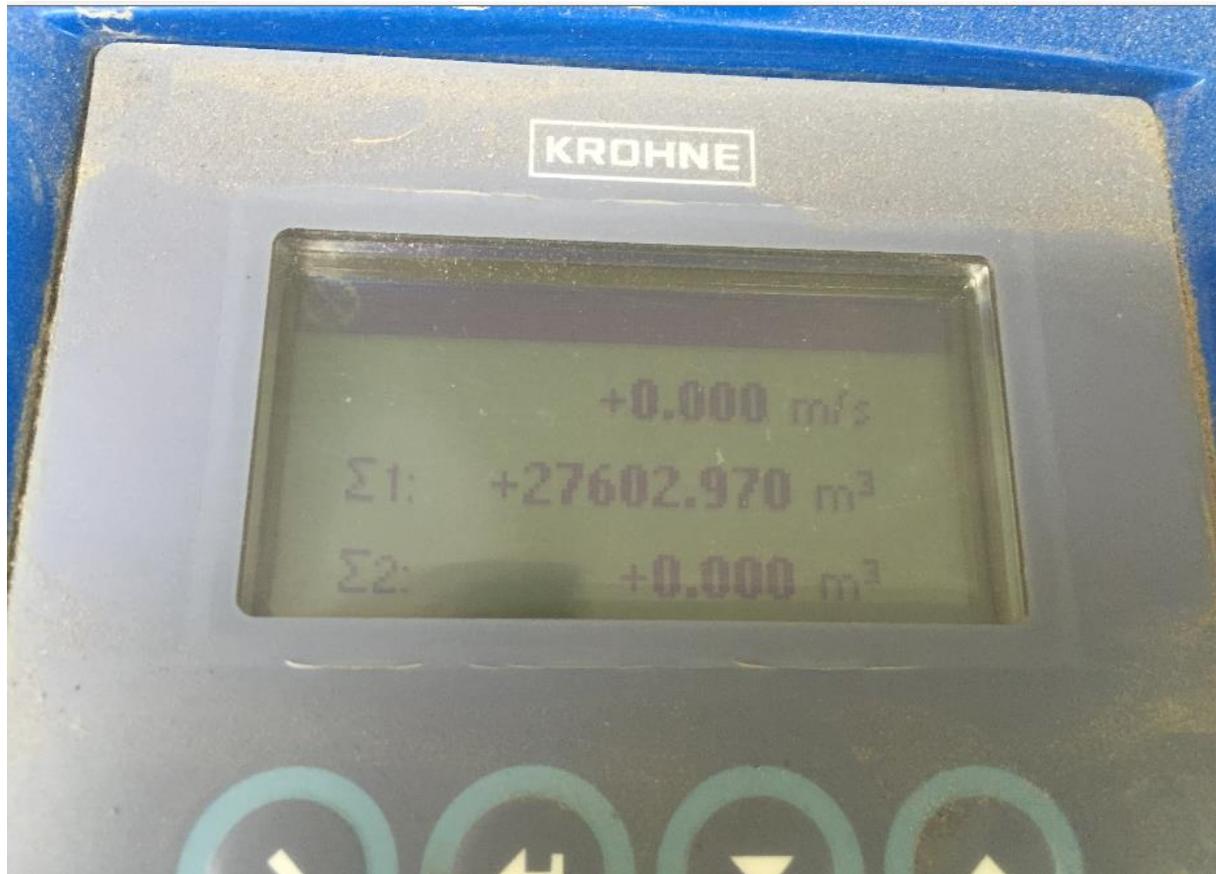


The arrow is pointing toward the m³ showing that this meter is displaying volume of use not the current flow rate. The little 1 at the bottom of the screen shows it is on screen 1 which displays the non-resettable total volume. Pushing the yellow arrow scrolls through the 5 screens.

This meter would be reported as 1823.7m³ to Council.

Krohne Mag Flow

Wall Mounted Display



The Krohne water meter has two volumes displayed on the front screen $\Sigma 1$ and $\Sigma 2$.

$\Sigma 1$ (sum 1) displays the total cumulative use to ever pass through the meter. This is the number to submit to Council

$\Sigma 2$ (sum 2) is resettable by the farmer/grower and can be used for tracking annual or season use as it can be "zero'd". This number is not required by Council.

This meter would be reported as 27602.9m^3 to Council (rounding up to 27603.0m^3 would be acceptable also).

Arad Octave: Ultrasonic



The top line is the cumulative volume. This meter has had 0.19m³ pass through it or 190Litres (new installation)

The second Line with the m³/h is displaying the flow rate and is not the reading required to be sent to Council.

This meter would be reported as 0m³ to Council or 0.2m³ would also be acceptable also.